TRE-81-04

Guidelines No. 2 for the Special Overweight Permits

A.C. Agarwal
Research Officer
Human and Social Systems
Research and Development Branch

Published by:
The Policy Planning and Research Division
Ontario Ministry of Transportation and Communications
Hon. James W. Snow, Minister
H.F. Gilbert, Deputy Minister

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For additional copies write:
The Editor
Research and Development Branch
Ministry of Transp. tation and Communications
1201 Wilson Avenue
Downsview, Ontario
M3M 1J8

Prepared for the
Oversize/Overweight Permits Review Committee
Ministry of Transportation & Communications Ontario

February 1981
Reprinted September, 1982

1/ INTRODUCTION

A Special Permit is required to move a heavy vehicle, load, object or structure in excess of the dimensional limits prescribed by Section 65 of Part VI and the weight limits prescribed by Part VII of The Highway Traffic Act.

In general, the purpose of weight regulations with regard to commercial vehicles is to protect the taxpayer's investment in the highway system. The Ontario Bridge Formula, basis of our Provincial Vehicle Weight Regulations, was established to permit maximum gross vehicle weights to be carried regularly on the highway. The weight is to be distributed on individual axles in such a way that damage to the bridges and pavements is kept within the Ministry's capability to repair.

For practical, technical and/or economic reasons, the limitations can be exceeded for heavy indivisible loads. The damage to the structures and the pavement created by a single passage of an extremely heavy vehicle may exceed that caused by many thousands of vehicles complying with the limitations of the Vehicle Weight Regulations. Therefore, such extraordinary trips should be kept to a minimum and permits granted only if there is sufficient evidence that the particular object cannot be transported in sections or by a mode of transportation other than highway.

2/ BASIS OF PROPOSED GUIDELINES

2.1/ Bridge Considerations

The design load for the Ontario Highway Bridge Design Code is a vehicle model at a level of loading based on the Ontario Bridge Formula plus 10 000 kg. This level is proposed as the absolute maximum limit for the Overload Permits, both for gross vehicle weight and the axle unit weights.

2.1.1/ Ontario Bridge Formula

$$W_m = 10.0 + 3.0\ B_m - 0.0325\ B_m$$

where,
W_m is the total weight in Thousand Kilograms, and
B_m is the Equivalent Base Length in Metres.

2.1.2/ Equivalent Base Length, Bm

(a) for a dual axle

B_m = 1.75 x Axle Spacing

(b) for a triple axle,

B_m = 1.33 x Axle Spacing

(c) for Floats

$$B_m = \frac{3.75\ \Sigma|P_i X_i|}{\Sigma P_i}$$

where definitions from Figure 2 apply.

(d) for all other axle groups,

$$B_m = \frac{4.00\ \Sigma|P_i\ X_i|}{\Sigma P_i}$$

where,

P_i is the weight on i^{th} axle,

X_i is the distance between the i^{th} axle and the axle closest to the centre of gravity of the axle group.

For Mobile Cranes, usually the first axle of the tandem is the axle closest to the centre of gravity. Therefore, Equivalent Base Length shall be determined as illustrated in Figure 3.

2.2/ Pavement Considerations

Maximum overweight that may be permitted, in excess of the legal weight limits on axle units and axle groups as prescribed in Part VII of the Highway Traffic Act, are as follows:

- 5000 kg per axle for single trip moves.
- 2500 kg per axle for multi-trip moves.

In addition, the wheel pressure must not exceed the limit of 11 kg/mm of the width as prescribed in the Highway Traffic Act.

3/ PROPOSED GUIDELINES

CATEGORY A - Single Trip Permits (ST)
CATEGORY B - Annual (A) and Project (P) Permits
CATEGORY C - Two Vehicle Concept Permits (TVC)
CATEGORY D - Mobile Homes (M)
CATEGORY E - All other Special Permits (SS)

For Categories A to D, weight on any axle unit shall not exceed that weight shown in the Special Permit Table 1 opposite corresponding Tire Size and Under Corresponding Number of Wheels in the Axle unit. Special Permit Table 1 is based upon a maximum limit of 11 kg/mm width of tire. For unusual situations not covered by the Special Permit Table 1, and for Category E, the following formula may be used:

$W = 11\ nw$

where,

W = maximum allowable weight on the axle unit in kilograms.
n = total number of wheels in the axle unit.
w = tire width in millimetres.

If tire width is given in inches, then $W = 279.4\ nw$

Other limitations are given under the appropriate Category.

No Special Permits under Categories A, B, C, or E shall be issued in the spring half-load season.

3.1/ Category A

- Single Trip Permits (ST)
- Excludes transportation of long heavy prefabricated structural components, to be covered by Category C.

3.1.1/ Weight Limitations

(a) On any Single Axle, 15 000 kg.

(b) An overweight of 10 000 kg in excess of the weight limit on any Dual Axle or Triple Axle prescribed by Section 72 of Part VII of The Highway Traffic Act. This leads to the following weight limitations:

(i) On any Dual Axle, that weight shown in Column 4 opposite the corresponding Axle Spacing shown in Column 1 of the Special Permit Table 2;

(ii) On any Triple Axle, that weight shown in Column 4 opposite the corresponding Axle Spacing shown in Column 1 of the Special Permit Table 3.

(c) An overweight of 10 000 kg in excess of the weight limit on any Two, Three or Four Axle Group prescribed by Section 73 of Part VII of The Highway Traffic Act. This leads to the following limitations:

(i) On any Two Axle Group, that weight shown in Column 4 opposite the corresponding Axle Group Spacing shown in Column 1 of the Special Permit Table 4;

(ii) On any Three Axle Group, that weight shown in Column 4 opposite the corresponding Axle Group Spacing shown in Column 1 of the Special Permit Table 5;

(iii) On any Four Axle Group, that weight shown in Column 4 opposite the corresponding Axle Group Spacing shown in Column 1 of the Special Permit Table 6.

(d) On gross, an overweight of 10 000 kg in excess of the Ontario Bridge Formula to a maximum gross weight limit of 70 000 kg.

Special Permit Table 7 gives the maximum permissible gross weight for Category A Special Permits for the corresponding Equivalent Base Length for full vehicles.

3.1.2/ Dimensional Limitations

(a) Width: 4.30 m
(b) Length: 36.75 m
(c) Height: route clearance limits

3.1.3/ Procedure

(a) Application should contain the vehicle configuration, interaxle spacings, axle weights, and overall dimensions for the specific move.
(b) Check against the Dimensional Limitations.
(c) Check that the gross vehicle weight is within 70 000 kg.
(d) Check that the axle unit weights are within the limits given in Special Permit Table 1.
(e) Check that the weight on any Single Axle does not exceed 15 000 kg.
(f) Check that the weight on axle units is within the limits given in Special Permit Tables 2 and 3.
(g) Check that the weight on axle groups is within the limits given in Special Permit Tables 4, 5 and 6.
(h) Determine Equivalent Base Length, B_m, for full vehicle using appropriate expression given in 2.1.2.
(i) Check that the gross vehicle weight is within the limits given in Special Permit Table 7.

3.2/ Category B

- Annual Permits (A)
- Project Permits (P)
- Excluding transportation of long heavy prefabricated structural components, to be covered by Category C.

3.2.1/ Weight Limitations

(a) On any Single Axle, 12 500 kg.

(b) An overweight of 5000 kg in excess of the weight limit on any Dual Axle or Two Axle Group prescribed by Sections 72 and 73 of Part VII of The Highway Traffic Act. This leads to the following weight limitations:

(i) On any Dual Axle, that weight shown in Column 4 opposite the corresponding Axle Spacing shown in Column 1 of the Special Permit Table 8.

(ii) On any Two Axle Group, that weight shown in Column 4 opposite the corresponding Axle Group Spacing shown in Column 1 of the Special Permit Table 10.

(c) An overweight of 7500 kg in excess of the weight limit on any Triple Axle or Three Axle Group, prescribed by Sections 72 and 73 of Part VII of The Highway Traffic Act. This leads to the following limitations:

(i) On any Triple Axle, that weight shown in Column 4 opposite the corresponding Axle Spacing shown in Column 1 of the Special Permit Table 9.

(ii) On any Three Axle Group, that weight shown in Column 4 opposite the corresponding Axle Group Spacing shown in Column 1 of the Special Permit Table 11.

(d) An overweight of 10 000 kg in excess of the weight limit on any Four Axle Group prescribed by Section 73 of Part VII of The Highway Traffic Act. Accordingly weight limitation for any Four Axle Group is that weight shown in Column 4 opposite the corresponding Axle Group Spacing shown in Column 1 of the Special Permit Table 6.

(e) On gross, an overweight of 25% or 10 000 kg, whichever is smaller, in excess of the Ontario Bridge Formula to a maximum gross weight limit of:

- 64 000 kg for Annual Permits.
- 70 000 kg for Project Permits.

Special Permit Table 12 gives the maximum permissible gross weight for Category B Special Permits for the corresponding Equivalent Base Length for full vehicles.

3.2.2/ Dimensional Limitations

Annual Permits:

Width:	2 lane highway	-	3.40 m, or highway lane width, whichever is greater
	multi-lane highway	-	3.85 m
Length:	2 lane highways	-	22.05 m
	multi-lane highways	-	24.50 m
	tree length logs	-	26.05 m
	trombone trailers	-	24.50 m
	combination when unladen not to exceed 21.00 m		

Height: 4.30 m, or route clearance limit, whichever is smaller. For car carriers top deck commercial motor vehicles only, 4.40 m, or route clearance limit, whichever is smaller.

Project Permits:

Width: 4.30 m

Length: 36.75 m

tree length logs - 26.05 m

Height: route clearance limit.

3.2.3/ Procedure For Category B

(a) Application should contain the vehicle configuration, interaxle spacing, axle weights, and the overall dimensions for the expected move(s).

(b) Check against the Dimensional Limitations.

(c) Check that the gross weight is within 64 000 kg for Annual Permits, and 70 000 kg for Project Permits.

(d) Check that the axle unit weights are within the limits given in Special Permit Table 1.

(e) Check that the weight on any Single Axle does not exceed 12 500 kg.

(f) Check that the weight on axle units is within the limits given in Special Permit Tables 8 and 9.

(g) Check that the weight on axle groups is within the limits given in Special Permit Tables 6, 10 and 11.

(h) Determine Equivalent Base Length, B_m, for full vehicle using appropriate expression given in 2.1.2.

(i) Check that the gross vehicle weight is within the limits given in Special Permit Table 12.

3.3/ Category C

- Using two vehicle concept (TVC)
- Transportation of long prefabricated beams and pressure vessels.

3.3.1/ Weight Limitations

(a) On any Single Axle, 12 500 kg.

(b) An overweight of 5000 kg in excess of the weight limit on any Dual Axle or Two Axle Group prescribed by Sections 72 and 73 of Part VII of The Highway Traffic Act. This leads to the following weight limitations:

(i) On any Dual Axle, that weight shown in Column 4 opposite the corresponding Axle Spacing shown in Column 1 of the Special Permit Table 8.

(ii) On any Two Axle Group, that weight shown in Column 4 opposite the corresponding Axle Group Spacing shown in Column 1 of the Special Permit Table 10.

(c) An overweight of 7500 kg in excess of the weight limit on any Triple Axle or Three Axle Group, prescribed by Sections 72 and 73 of Part VII of The Highway Traffic Act. This leads to the following limitations:

(i) On any Triple Axle, that weight shown in Column 4 opposite the corresponding Axle Spacing shown in Column 1 of the Special Permit Table 9.

(ii) On any Three Axle Group, that weight shown in Column 4 opposite the corresponding Axle Group Spacing shown in Column 1 of the Special Permit Table 11.

(d) An overweight of 10 000 kg in excess of the weight limit on any Four Axle Group prescribed by Section 73 of Part VII of The Highway Traffic Act. Accordingly weight limitation for any Four Axle Group is that weight shown in Column 4 opposite the corresponding Axle Group Spacing shown in Column 1 of the Special Permit Table 6.

(e) For each individual vehicle, an overweight of 25% or 10 000 kg, whichever is smaller, in excess of the Ontario Bridge Formula, to a maximum of 64 000 kg.

Special permit Table 12 gives the maximum permissible total weight for each individual vehicle for the corresponding Equivalent Base Length of the vehicle.

(f) For gross weight on combination of the two vehicles, 120 000 kg.

3.3.2/ Dimensional Limitations

(a) Width: As specified in Part VI of The Highway Traffic Act.

(b) Length:

(i) For each individual vehicle, length limitations of Part VI of The Highway Traffic Act apply.

(ii) For full combination of two vehicles, no length limit other than governed by the highway dimensions.

(iii) Distance, D, between the centre of gravity of the two vehicles shall not be less than that given by Figure 1.

(c) Height: As prescribed in Part VI of The Highway Traffic Act.

3.3.3/ Procedure For Category C

(a) Application should contain all details of vehicle configuration, overall dimensions of each vehicle unit, interaxle spacings and axle weights for the specific move.

(b) Check against the Dimensional limitations for each of the two vehicles per The Highway Traffic Act.

(c) Check that the gross weight on any of the two vehicles does not exceed 64 000 kg.

(d) Check that the total gross weight of the entire combination is within 120 000 kg.

(e) Check that the axle unit weights are within the limits given in Special Permit Table 1.

(f) Check that the weight on any Single Axle does not exceed 12 500 kg.

(g) Check that the weight on axle units is within the limits given in Special permit Tables 8 and 9.

(h) Check that the weight on axle groups is within the limits given in Special Permit Tables 6, 10 and 11.

(i) Determine centres of gravity and Equivalent Base Lengths of the two vehicles, and establish distance, 'D'.

(j) Check that the gross weight on each of the vehicles is within the limits given in Special Permit Table 12.

(k) Check that the distance, D, between the centres of gravity of the two vehicles is not less than that value obtained from Figure 1.

The move should be carried out under the surveillance of the Ontario Provincial Police. The cost of this escort should be borne by the applicant,

Category D

- Mobile Homes (M)

3.4.1/ Weight Limitations

As permitted by Part VII of The Highway Traffic Act.

3.4.2/ Dimensional Limitations

Width: Over 3.85 m to 4.267 m maximum.
Length: 27.55 m
Height: Route clearance limit

3.5/ Category E

This Category covers all Special Permits to move very heavy loads that cannot be classified under any of the other Categories. Proposed vehicle combinations designated for this Category may cause excessive damage to a typical non-posted highway bridge, consequently special precautionary measures should be taken.

If no bridges are involved, the vehicle has to satisfy the limit of 11 kg/mm of tire width, and 15 000 kg on each axle. Axles are to be not less than 1.2 m apart. Special Permits for heavier axle loads and tire pressures require an evaluation of the structural capacity of the pavements on the designated route. The evaluation procedure must be approved by the Ministry. Since pavement capacity changes seasonally, timing of the move is to be carried out as specified by the Ministry.

If bridges are enroute, the applicant shall:

(a) hire a Consulting Engineer licenced in the Province of Ontario and approved by the Ministry on a per-case basis. The Consulting Engineer shall evaluate the structures involved in accordance with the Ministry's Regulations, specify conditions of passing (such as travel along centre line of roadway, minimum or maximum speed, exclusive presence, etc.), and design temporary supports and strengthening of structures as required.

(b) submit the above calculations and plans to the Ministry for approval.

(c) bear the cost of engineering services and that of temporary support and strengthening of the structure. Said temporary support and strengthening shall be carried out to the satisfaction of the Ministry.

(d) place a bond for the fully estimated value of the bridges enroute.

(e) bear the cost of escorting the move which shall be made under the supervision of the Ontario Provincial Police.

No weight or dimensional limitations are set except those dictated by the load carrying capacity, geometry and traffic conditions of the segment of the highway system involved.

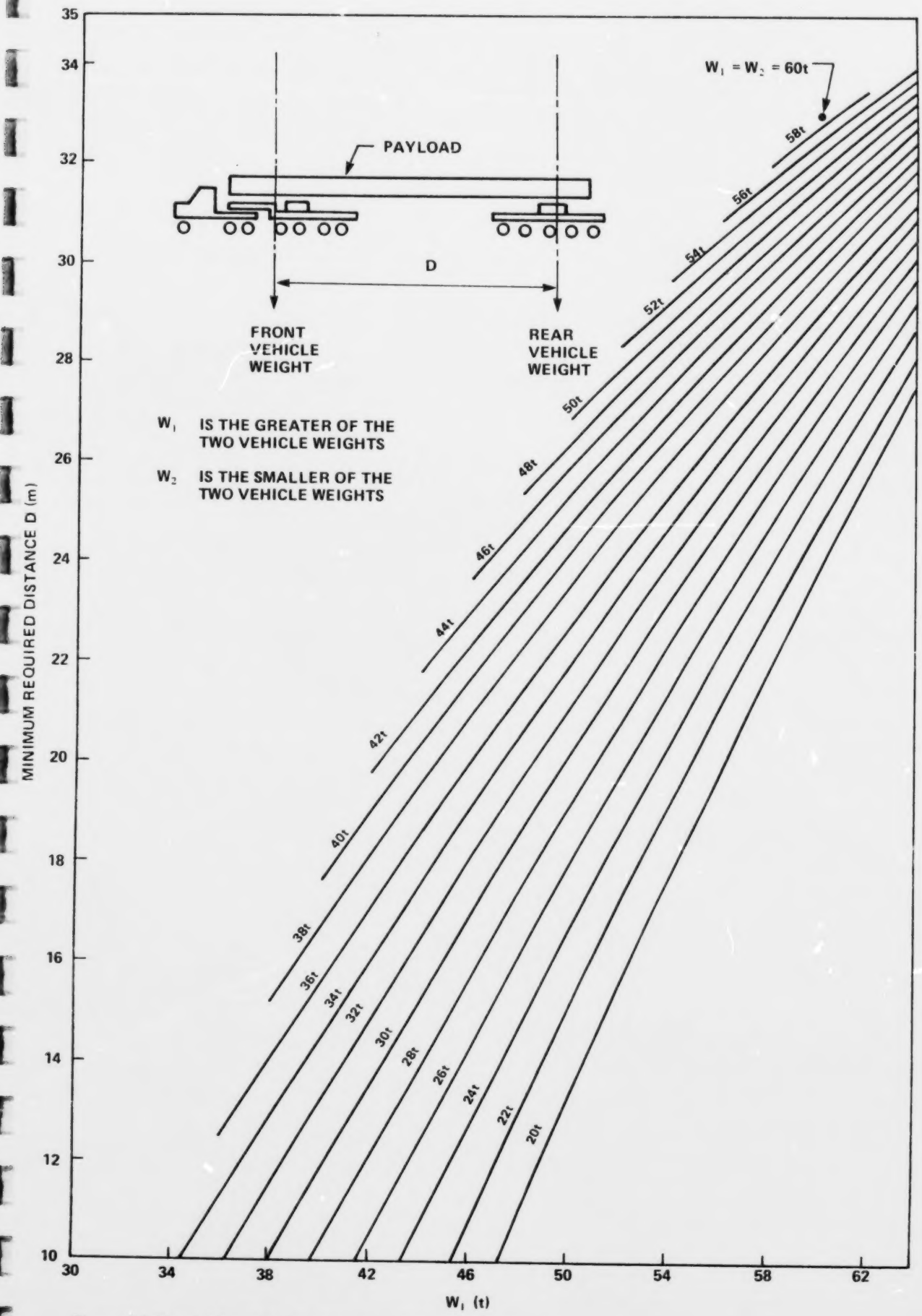
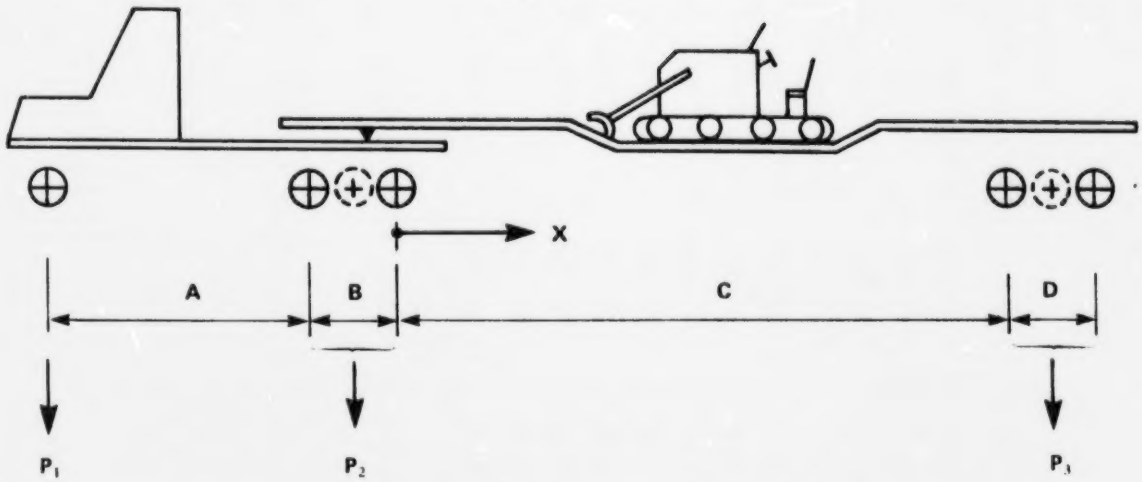


Figure 1/ Special Permits Category C – Two Vehicle Concept



$$\Sigma |P_i X_i| = P_1 (A + B) + \tfrac{1}{2} P_2 B + \tfrac{1}{2} P_3 (2C + D)$$

$$\Sigma P_i = P_1 + P_2 + P_3 = \text{GROSS WEIGHT}$$

$$B_m = \frac{3.75 \Sigma |P_i X_i|}{\Sigma P_i}$$

Figure 2/ Equivalent Base Length for A Float

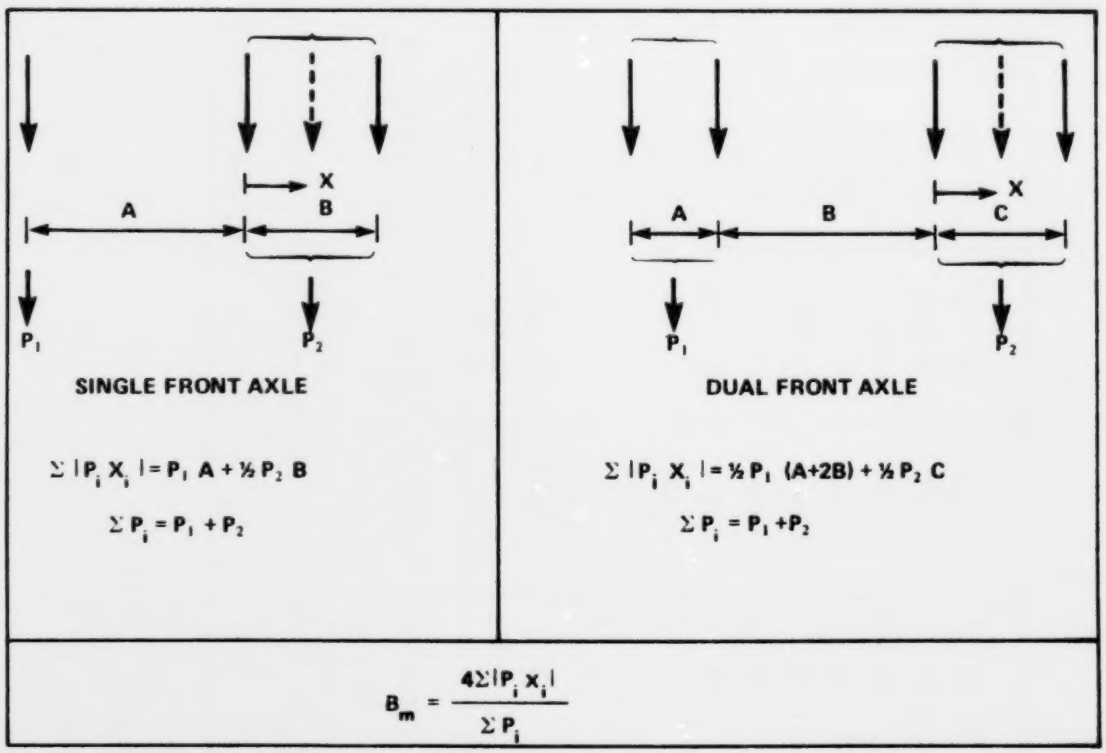


Figure 3/ Equivalent Base Length for Mobile Cranes

SPECIAL PERMIT TABLE 1

MAXIMUM ALLOWABLE WEIGHT FOR AN AXLE UNIT

LIMITED BY TIRE SIZE

TIRE SIZE (INCHES)	MAXIMUM ALLOWABLE WEIGHT FOR AXLE UNIT (KILOGRAMS)								
	SINGLE AXLE			DUAL AXLE				TRIPLE AXLE	
	2 WHEELS	4 WHEELS	8 WHEELS	4 WHEELS	6 WHEELS	8 WHEELS	16 WHEELS	6 WHEELS	12 WHEELS
8 1/4	4,600	9,200	15,000	9,200	13,800	18,400	30,000	13,800	27,700
9	5,000	10,100	15,000	10,100	15,100	20,100	30,000	15,100	30,200
10	5,600	11,200	15,000	11,200	16,800	22,400	30,000	16,800	33,500
11	6,100	12,300	15,000	12,300	18,400	24,600	30,000	18,400	36,900
12	6,700	13,400	15,000	13,400	20,100	26,800	30,000	20,100	38,600
13	7,300	14,500	15,000	14,500	21,800	29,100	30,000	21,800	38,600
14	7,800	15,000	15,000	15,600	23,500	30,000	30,000	23,500	38,600
15	8,400	15,000	15,000	16,800	25,100	30,000	30,000	25,100	38,600
16	8,900	15,000	15,000	17,900	26,800	30,000	30,000	26,800	38,600
16 1/2	9,200	15,000	15,000	18,400	27,700	30,000	30,000	27,700	38,600
17	9,500	15,000	15,000	19,000	28,500	30,000	30,000	28,500	38,600
18	10,100	15,000	15,000	20,100	30,000	30,000	30,000	30,200	38,600

SPECIAL PERMIT TABLE 2

MAXIMUM PERMISSIBLE WEIGHT FOR

DUAL AXLE (CATEGORY A)

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4
AXLE SPACING (METRES)	TABLE 1 OF PART VII, H.T.A. (KILOGRAMS)	PERMISSIBLE OVERWEIGHT (KILOGRAMS)	MAXIMUM PERMISSIBLE WEIGHT (KILOGRAMS)
1.0 to less than 1.2	15,400	10,000	25,400
1.2 to less than 1.3	16,800	10,000	26,800
1.3 to less than 1.4	17,200	10,000	27,200
1.4 to less than 1.5	17,500	10,000	27,500
1.5 to less than 1.6	17,900	10,000	27,900
1.6 to less than 1.7	18,300	10,000	28,300
1.7 to less than 1.8	18,700	10,000	28,700
1.8 or more	19,100	10,000	29,100

SPECIAL PERMIT TABLE 3

MAXIMUM PERMISSIBLE WEIGHT FOR

TRIPLE AXLE (CATEGORY A)

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4
AXLE SPACING (METRES)	TABLE 2 OF PART VII, H.T.A. (KILOGRAMS)	PERMISSIBLE OVERWEIGHT (KILOGRAMS)	MAXIMUM PERMISSIBLE WEIGHT (KILOGRAMS)
2.0 to less than 2.4	19,500	10,000	29,500
2.4 to less than 2.8	21,300	10,000	31,300
2.8 to less than 2.9	21,700	10,000	31,700
2.9 to less than 3.0	22,000	10,000	32,000
3.0 to less than 3.1	22,400	10,000	32,400
3.1 to less than 3.2	22,700	10,000	32,700
3.2 to less than 3.3	23,100	10,000	33,100
3.3 to less than 3.4	23,400	10,000	33,400
3.4 to less than 3.5	23,800	10,000	33,800
3.5 to less than 3.6	24,100	10,000	34,100
3.6 to less than 3.7	24,400	10,000	34,400
3.7 to less than 3.8	24,800	10,000	34,800
3.8 to less than 3.9	25,100	10,000	35,100
3.9 to less than 4.0	25,500	10,000	35,500
4.0 to less than 4.1	25,800	10,000	35,800
4.1 to less than 4.2	26,200	10,000	36,200
4.2 to less than 4.3	26,500	10,000	36,500
4.3 to less than 4.4	26,900	10,000	36,900
4.4 to less than 4.5	27,200	10,000	37,200
4.5 to less than 4.6	27,600	10,000	37,600
4.6 to less than 4.7	27,900	10,000	37,900
4.7 to less than 4.8	28,300	10,000	38,300
4.8 or more	28,600	10,000	38,600

SPECIAL PERMIT TABLE 4

MAXIMUM PERMISSIBLE WEIGHT FOR

TWO AXLE GROUP (CATEGORY A)

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4
AXLE GROUP SPACING (METRES)	TABLE 3 OF PART VII, H.T.A. (KILOGRAMS)	PERMISSIBLE OVERWEIGHT (KILOGRAMS)	MAXIMUM PERMISSIBLE WEIGHT (KILOGRAMS)
1.0 to less than 1.2	15,000	10,000	25,000
1.2 to less than 1.3	16,300	10,000	26,300
1.3 to less than 1.4	16,700	10,000	26,700
1.4 to less than 1.5	17,000	10,000	27,000
1.5 to less than 1.6	17,400	10,000	27,400
1.6 to less than 1.7	17,800	10,000	27,800
1.7 to less than 1.8	18,200	10,000	28,200
1.8 to less than 1.9	18,600	10,000	28,600
1.9 to less than 2.0	19,100	10,000	29,100

SPECIAL PERMIT TABLE 5

MAXIMUM PERMISSIBLE WEIGHT FOR

THREE AXLE GROUP (CATEGORY A)

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4
AXLE GROUP SPACING (METRES)	TABLE 4 OF PART VII, H.T.A. (KILOGRAMS)	PERMISSIBLE OVERWEIGHT (KILOGRAMS)	MAXIMUM PERMISSIBLE WEIGHT (KILOGRAMS)
2.0 to less than 2.4	19,000	10,000	29,000
2.4 to less than 2.6	20,400	10,000	30,400
2.6 to less than 2.8	21,000	10,000	31,000
2.8 to less than 2.9	21,400	10,000	31,400
2.9 to less than 3.0	21,700	10,000	31,700
3.0 to less than 3.1	22,000	10,000	32,000
3.1 to less than 3.2	22,400	10,000	32,400
3.2 to less than 3.3	22,700	10,000	32,700
3.3 to less than 3.4	23,000	10,000	33,000
3.4 to less than 3.5	23,400	10,000	33,400
3.5 to less than 3.6	23,700	10,000	33,700
3.6 to less than 3.7	24,000	10,000	34,000
3.7 to less than 3.8	24,400	10,000	34,400
3.8 to less than 3.9	24,700	10,000	34,700
3.9 to less than 4.0	25,000	10,000	35,000
4.0 to less than 4.1	25,400	10,000	35,400
4.1 to less than 4.2	25,700	10,000	35,700
4.2 to less than 4.3	26,000	10,000	36,000
4.3 to less than 4.4	26,400	10,000	36,400
4.4 to less than 4.5	26,700	10,000	36,700
4.5 to less than 4.6	27,000	10,000	37,000
4.6 to less than 4.7	27,400	10,000	37,400
4.7 to less than 4.8	27,700	10,000	37,700
4.8 to less than 4.9	28,000	10,000	38,000
4.9 to less than 5.0	28,300	10,000	38,300
5.0 or more	28,600	10,000	38,600

SPECIAL PERMIT TABLE 6

MAXIMUM PERMISSIBLE WEIGHT FOR

FOUR AXLE GROUP

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4
AXLE GROUP SPACING (METRES)	TABLE 5 OF PART VII, H.T.A. (KILOGRAMS)	PERMISSIBLE OVERWEIGHT (KILOGRAMS)	MAXIMUM PERMISSIBLE WEIGHT (KILOGRAMS)
Less than 3.6	23,500	10,000	33,500
3.6 to less than 3.7	23,900	10,000	33,900
3.7 to less than 3.8	24,200	10,000	34,200
3.8 to less than 3.9	24,600	10,000	34,600
3.9 to less than 4.0	24,900	10,000	34,900
4.0 to less than 4.1	25,300	10,000	35,300
4.1 to less than 4.2	25,700	10,000	35,700
4.2 to less than 4.3	26,000	10,000	36,000
4.3 to less than 4.4	26,400	10,000	36,400
4.4 to less than 4.5	26,700	10,000	36,700
4.5 to less than 4.6	27,100	10,000	37,100
4.6 to less than 4.7	27,500	10,000	37,500
4.7 to less than 4.8	27,800	10,000	37,800
4.8 to less than 4.9	28,200	10,000	38,200
4.9 to less than 5.0	28,500	10,000	38,500
5.0 to less than 5.1	28,900	10,000	38,900
5.1 to less than 5.2	29,300	10,000	39,300
5.2 to less than 5.3	29,600	10,000	39,600
5.3 to less than 5.4	30,000	10,000	40,000
5.4 to less than 5.5	30,300	10,000	40,300
5.5 to less than 5.6	30,700	10,000	40,700
5.6 to less than 5.7	31,100	10,000	41,100
5.7 to less than 5.8	31,400	10,000	41,400
5.8 to less than 5.9	31,800	10,000	41,800
5.9 to less than 6.0	32,100	10,000	42,100
6.0 to less than 6.1	32,500	10,000	42,500
6.1 to less than 6.2	32,900	10,000	42,900
6.2 to less than 6.3	33,200	10,000	43,200
6.3 to less than 6.4	33,600	10,000	43,600
6.4 to less than 6.5	33,900	10,000	43,900
6.5 to less than 6.6	34,300	10,000	44,300
6.6 to less than 6.7	34,700	10,000	44,700
6.7 to less than 6.8	35,000	10,000	45,000
6.8 to less than 6.9	35,400	10,000	45,400
6.9 to less than 7.0	35,700	10,000	45,700
7.0 to less than 7.1	36,100	10,000	46,100
7.1 to less than 7.2	36,500	10,000	46,500
7.2 to less than 7.3	36,800	10,000	46,800
7.3 to less than 7.4	37,200	10,000	47,200
7.4 to less than 7.5	37,600	10,000	47,600
7.5 or more	38,000	10,000	48,000

SPECIAL PERMIT TABLE 7

MAXIMUM ALLOWABLE GROSS VEHICLE WEIGHT (CATEGORY A)

EQUIVALENT BASE LENGTH B_m (METRES)	PERMISSIBLE WEIGHT (KILOGRAMS)	EQUIVALENT BASE LENGTH B_m (METRES)	PERMISSIBLE WEIGHT (KILOGRAMS)	EQUIVALENT BASE LENGTH B_m (METRES)	PERMISSIBLE WEIGHT (KILOGRAMS)
4.0 to less than 4.2	31,800	10.0 to less than 10.2	47,000	16.0 to less than 16.2	59,900
4.2 to less than 4.4	32,300	10.2 to less than 10.4	47,500	16.2 to less than 16.4	60,300
4.4 to less than 4.6	32,800	10.4 to less than 10.6	47,900	16.4 to less than 16.6	60,700
4.6 to less than 4.8	33,400	10.6 to less than 10.8	48,400	16.6 to less than 16.8	61,000
4.8 to less than 5.0	33,900	10.8 to less than 11.0	48,800	16.8 to less than 17.0	61,400
5.0 to less than 5.2	34,500	11.0 to less than 11.2	49,300	17.0 to less than 17.2	61,800
5.2 to less than 5.4	35,000	11.2 to less than 11.4	49,700	17.2 to less than 17.4	62,200
5.4 to less than 5.6	35,500	11.4 to less than 11.6	50,200	17.4 to less than 17.6	62,500
5.6 to less than 5.8	36,000	11.6 to less than 11.8	50,600	17.6 to less than 17.8	62,900
5.8 to less than 6.0	36,600	11.8 to less than 12.0	51,100	17.8 to less than 18.0	63,300
6.0 to less than 6.2	37,100	12.0 to less than 12.2	51,500	18.0 to less than 18.2	63,700
6.2 to less than 6.4	37,600	12.2 to less than 12.4	52,000	18.2 to less than 18.4	64,000
6.4 to less than 6.6	38,100	12.4 to less than 12.6	52,400	18.4 to less than 18.6	64,400
6.6 to less than 6.8	38,600	12.6 to less than 12.8	52,900	18.6 to less than 18.8	64,700
6.8 to less than 7.0	39,200	12.8 to less than 13.0	53,300	18.8 to less than 19.0	65,100
7.0 to less than 7.2	39,700	13.0 to less than 13.2	53,700	19.0 to less than 19.2	65,400
7.2 to less than 7.4	40,200	13.2 to less than 13.4	54,200	19.2 to less than 19.4	65,800
7.4 to less than 7.6	40,700	13.4 to less than 13.6	54,600	19.4 to less than 19.6	66,100
7.6 to less than 7.8	41,200	13.6 to less than 13.8	55,000	19.6 to less than 19.8	66,500
7.8 to less than 8.0	41,700	13.8 to less than 14.0	55,400	19.8 to less than 20.0	66,800
8.0 to less than 8.2	42,200	14.0 to less than 14.2	55,800	20.0 to less than 20.2	67,200
8.2 to less than 8.4	42,700	14.2 to less than 14.4	56,300	20.2 to less than 20.4	67,500
8.4 to less than 8.6	43,200	14.4 to less than 14.6	56,700	20.4 to less than 20.6	67,800
8.6 to less than 8.8	43,600	14.6 to less than 14.8	57,100	20.6 to less than 20.8	68,200
8.8 to less than 9.0	44,100	14.8 to less than 15.0	57,500	20.8 to less than 21.0	68,500
9.0 to less than 9.2	44,600	15.0 to less than 15.2	57,900	21.0 to less than 21.2	68,800
9.2 to less than 9.4	45,100	15.2 to less than 15.4	58,300	21.2 to less than 21.4	69,200
9.4 to less than 9.6	45,600	15.4 to less than 15.6	58,700	21.4 to less than 21.6	69,500
9.6 to less than 9.8	46,000	15.6 to less than 15.8	59,100	21.6 to less than 21.8	69,800
9.8 to less than 10.0	46,500	15.8 to less than 16.0	59,500	21.8 or over.	70,000

SPECIAL PERMIT TABLE 8

MAXIMUM PERMISSIBLE WEIGHT FOR

DUAL AXLE (CATEGORIES B AND C)

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4
AXLE SPACING (METRES)	TABLE 1 OF PART VII, H.T.A. (KILOGRAMS)	PERMISSIBLE OVERWEIGHT (KILOGRAMS)	MAXIMUM PERMISSIBLE WEIGHT (KILOGRAMS)
1.0 to less than 1.2	15,400	5,000	20,400
1.2 to less than 1.3	16,800	5,000	21,800
1.3 to less than 1.4	17,200	5,000	22,200
1.4 to less than 1.5	17,500	5,000	22,500
1.5 to less than 1.6	17,900	5,000	22,900
1.6 to less than 1.7	18,300	5,000	23,300
1.7 to less than 1.8	18,700	5,000	23,700
1.8 or more	19,100	5,000	24,100

SPECIAL PERMIT TABLE 9

MAXIMUM PERMISSIBLE WEIGHT FOR

TRIPLE AXLE (CATEGORIES B AND C)

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4
AXLE SPACING (METRES)	TABLE 2 OF PART VII, H.T.A. (KILOGRAMS)	PERMISSIBLE OVERWEIGHT (KILOGRAMS)	MAXIMUM PERMISSIBLE WEIGHT (KILOGRAMS)
2.0 to less than 2.4	19,500	7,500	27,000
2.4 to less than 2.8	21,300	7,500	28,800
2.8 to less than 2.9	21,700	7,500	29,200
2.9 to less than 3.0	22,000	7,500	29,500
3.0 to less than 3.1	22,400	7,500	29,900
3.1 to less than 3.2	22,700	7,500	30,200
3.2 to less than 3.3	23,100	7,500	30,600
3.3 to less than 3.4	23,400	7,500	30,900
3.4 to less than 3.5	23,800	7,500	31,300
3.5 to less than 3.6	24,100	7,500	31,600
3.6 to less than 3.7	24,400	7,500	31,900
3.7 to less than 3.8	24,800	7,500	32,300
3.8 to less than 3.9	25,100	7,500	32,600
3.9 to less than 4.0	25,500	7,500	33,000
4.0 to less than 4.1	25,800	7,500	33,300
4.1 to less than 4.2	26,200	7,500	33,700
4.2 to less than 4.3	26,500	7,500	34,000
4.3 to less than 4.4	26,900	7,500	34,400
4.4 to less than 4.5	27,200	7,500	34,700
4.5 to less than 4.6	27,600	7,500	35,100
4.6 to less than 4.7	27,900	7,500	35,400
4.7 to less than 4.8	28,300	7,500	35,800
4.8 or more	28,600	7,500	36,100

SPECIAL PERMIT TABLE 10

MAXIMUM PERMISSIBLE WEIGHT FOR

TWO AXLE GROUP (CATEGORIES B AND C)

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4
AXLE GROUP SPACING (METRES)	TABLE 3 OF PART VII, H.T.A. (KILOGRAMS)	PERMISSIBLE OVERWEIGHT (KILOGRAMS)	MAXIMUM PERMISSIBLE WEIGHT (KILOGRAMS)
1.0 to less than 1.2	15,000	5,000	20,000
1.2 to less than 1.3	16,300	5,000	21,300
1.3 to less than 1.4	16,700	5,000	31,700
1.4 to less than 1.5	17,000	5,000	22,000
1.5 to less than 1.6	17,400	5,000	22,400
1.6 to less than 1.7	17,800	5,000	22,800
1.7 to less than 1.8	18,200	5,000	23,200
1.8 to less than 1.9	18,600	5,000	23,600
1.9 to less tnan 2.0	19,100	5,000	24,100

SPECIAL PERMIT TABLE 11

MAXIMUM PERMISSIBLE WEIGHT FOR

THREE AXLE GROUP (CATEGORIES B AND C)

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4
AXLE GROUP SPACING (METRES)	TABLE 4 OF PART VII, H.T.A. (KILOGRAMS)	PERMISSIBLE OVERWEIGHT (KILOGRAMS)	MAXIMUM PERMISSIBLE WEIGHT (KILOGRAMS)
2.0 to less than 2.4	19,000	7,500	26,500
2.4 to less than 2.6	20,400	7,500	27,900
2.6 to less than 2.8	21,000	7,500	28,500
2.8 to less than 2.9	21,400	7,500	28,900
2.9 to less than 3.0	21,700	7,500	29,200
3.0 to less than 3.1	22,000	7,500	29,500
3.1 to less than 3.2	22,400	7,500	29,900
3.2 to less than 3.3	22,700	7,500	30,200
3.3 to less than 3.4	23,000	7,500	30,500
3.4 to less than 3.5	23,400	7,500	30,900
3.5 to less than 3.6	23,700	7,500	31,200
3.6 to less than 3.7	24,000	7,500	31,500
3.7 to less than 3.8	24,400	7,500	31,900
3.8 to less than 3.9	24,700	7,500	32,200
3.9 to less than 4.0	25,000	7,500	32,500
4.0 to less than 4.1	25,400	7,500	32,900
4.1 to less than 4.2	25,700	7,500	33,200
4.2 to less than 4.3	26,000	7,500	33,500
4.3 to less than 4.4	26,400	7,500	33,900
4.4 to less than 4.5	26,700	7,500	34,200
4.5 to less than 4.6	27,000	7,500	34,500
4.6 to less than 4.7	27,400	7,500	34,900
4.7 to less than 4.8	27,700	7,500	35,200
4.8 to less than 4.9	28,000	7,500	35,500
4.9 to less than 5.0	28,300	7,500	35,900
5.0 or more	28,600	7,500	36,100

SPECIAL PERMIT TABLE 12

MAXIMUM ALLOWABLE GROSS VEHICLE WEIGHT (CATEGORY B AND C)

EQUIVALENT BASE LENGTH B_m (METRES)	PERMISSIBLE WEIGHT (KILOGRAMS)	EQUIVALENT BASE LENGTH B_m (METRES)	PERMISSIBLE WEIGHT (KILOGRAMS)	EQUIVALENT BASE LENGTH B_m (METRES)	PERMISSIBLE WEIGHT (KILOGRAMS)
4.0 to less than 4.2	27,200	10.0 to less than 10.2	46,200	16.0 to less than 16.2	59,900
4.2 to less than 4.4	27,900	10.2 to less than 10.4	46,800	16.2 to less than 16.4	60,300
4.4 to less than 4.6	28,600	10.4 to less than 10.6	47,400	16.4 to less than 16.6	60,700
4.6 to less than 4.8	29,200	10.6 to less than 10.8	48,000	16.6 to less than 16.8	61,000
4.8 to less than 5.0	29,900	10.8 to less than 11.0	48,500	16.8 to less than 17.0	61,400
5.0 to less than 5.2	30,600	11.0 to less than 11.2	49,100	17.0 to less than 17.2	61,800
5.2 to less than 5.4	31,200	11.2 to less than 11.4	49,700	17.2 to less than 17.4	62,200
5.4 to less than 5.6	31,900	11.4 to less than 11.6	50,200	17.4 to less than 17.6	62,500
5.6 to less than 5.8	32,600	11.6 to less than 11.8	50,600	17.6 to less than 17.8	62,900
5.8 to less than 6.0	33,200	11.8 to less than 12.0	51,100	17.8 to less than 18.0	63,300
6.0 to less than 6.2	33,900	12.0 to less than 12.2	51,500	18.0 to less than 18.2	63,700
6.2 to less than 6.4	34,500	12.2 to less than 12.4	52,000	18.2 to less than 18.4	64,000
6.4 to less than 6.6	35,200	12.4 to less than 12.6	52,400	18.4 to less than 18.6	64,400
6.6 to less than 6.8	35,800	12.6 to less than 12.8	52,900	18.6 to less than 18.8	64,700
6.8 to less than 7.0	36,400	12.8 to less than 13.0	53,300	18.8 to less than 19.0	65,100
7.0 to less than 7.2	37,100	13.0 to less than 13.2	53,700	19.0 to less than 19.2	65,400
7.2 to less than 7.4	37,700	13.2 to less than 13.4	54,200	19.2 to less than 19.4	65,800
7.4 to less than 7.6	38,300	13.4 to less than 13.6	54,600	19.4 to less than 19.6	66,100
7.6 to less than 7.8	39,000	13.6 to less than 13.8	55,000	19.6 to less than 19.8	66,500
7.8 to less than 8.0	39,600	13.8 to less than 14.0	55,400	19.8 to less than 20.0	66,800
8.0 to less than 8.2	40,200	14.0 to less than 14.2	55,800	20.0 to less than 20.2	67,200
8.2 to less than 8.4	40,800	14.2 to less than 14.4	56,300	20.2 to less than 20.4	67,500
8.4 to less than 8.6	41,400	14.4 to less than 14.6	56,700	20.4 to less than 20.6	67,800
8.6 to less than 8.8	42,100	14.6 to less than 14.8	57,100	20.6 to less than 20.8	68,200
8.8 to less than 9.0	42,700	14.8 to less than 15.0	57,500	20.8 to less than 21.0	68,500
9.0 to less than 9.2	43,300	15.0 to less than 15.2	57,900	21.0 to less than 21.2	68,800
9.2 to less than 9.4	43,900	15.2 to less than 15.4	58,300	21.2 to less than 21.4	69,200
9.4 to less than 9.6	44,500	15.4 to less than 15.6	58,700	21.4 to less than 21.6	69,500
9.6 to less than 9.8	45,100	15.6 to less than 15.8	59,100	21.6 to less than 21.8	69,800
9.8 to less than 10.0	45,600	15.8 to less than 16.0	59,500	21.8 or more	70,000